

DUAL MODE POWER MANAGEMENT SYSTEM

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Abstract of the Disclosure

5 A power management system has a primary power source
(100) and a secondary power source (106) generated from the
primary power source (100) with a power output selector
(204) coupled to each for selecting power for a regulated
power output (212). First, during initialization and at any
10 other time during operation, when the primary power source
(102) exceeds the secondary power source (106), the primary
power source (102) is used as a power supply for the
regulated power output (212). Second, at any time after
initialization that the primary power source (102) exceeds
15 the regulated power output (212), the primary power source
(102) is used as the power supply for the regulated power
output (212). Third, at any time after initialization that
the secondary power source (106) exceeds the primary power
source (100) and the primary power source (102) is less than
20 the regulated power output (212), the secondary power source
(106) is used as the power supply for the regulated power
output (212).